

Amendments to the Claims:

This listing of claims replaces all prior listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A machine-implemented method comprising:
 - receiving input corresponding to a displayname of a data resource, the displayname being a name of the data resource to display to an end-user of an application instead of a resource identifier of the data resource;
 - preparing the resource identifier of the data resource within a repository based on the input and naming conventions associated with the repository, the resource identifier to identify the data resource within the repository rather than the displayname;
 - preparing the displayname of the data resource based on the input; and
 - storing the prepared displayname,
 - the naming conventions associated with the repository comprise a naming convention allowing duplicate displaynames in a resource region while disallowing duplicate resource identifiers in the resource region.
2. (Original) The method of claim 1, wherein preparing the resource identifier comprises preparing the resource identifier such that the resource identifier resembles the displayname.
3. (Original) The method of claim 1, wherein preparing the displayname comprises modifying an existing displayname.
4. (Original) The method of claim 1, wherein preparing the resource identifier comprises generating the data resource and the resource identifier in the repository.
5. (Original) The method of claim 1, wherein preparing the displayname comprises setting a displayname property of the data resource if the repository supports display name properties.

6. (Original) The method of claim 1, wherein the displayname is a custom property of the data resource.
7. (Original) The method of claim 1, wherein the data resource comprises a link, the method further comprising:
 - determining if a target resource of the link has a displayname; and
 - if the target resource has a displayname, presenting the displayname of the target resource as a proposed displayname, otherwise presenting the resource identifier of the target resource as a proposed displayname.
8. (Original) The method of claim 1, wherein preparing the resource identifier comprises renaming the resource identifier based on the input.
9. (Original) The method of claim 1, wherein preparing the resource identifier comprises including at least a portion of the displayname in the resource identifier.
10. (Original) The method of claim 1, further comprising:
 - presenting the displayname to a user interface.
11. (Original) The method of claim 10, wherein presenting the displayname comprises presenting the displayname to the user interface and excluding the resource identifier from being presented to the user interface.
12. (Original) The method of claim 1, wherein the naming conventions associated with the repository comprise a naming convention that defines at least one set of characters to be excluded from the resource identifier and preparing the resource identifier based on that naming convention comprises:
 - if a proposed resource identifier has a set of character to be excluded from the resource identifier, mapping the set of characters to one or more characters that can be included in the resource identifier.

13. (Original) The method of claim 1, wherein the naming conventions associated with the repository comprise a naming convention excluding duplicate resource identifiers in a resource region and preparing the resource identifier based on that naming convention comprises:

modifying a proposed resource identifier if another data resource, in a same resource region as the data resource, has a second resource identifier that is identical to the proposed resource identifier.

14. (Original) The method of claim 1, wherein the naming conventions associated with the repository comprise a naming convention that retains content-type extensions in the resource identifier and preparing the resource identifier based on that naming convention comprises:

including a content-type extension in the resource identifier regardless of the input.

15. (Currently Amended) A system comprising:

a plurality of repositories configured to store data resources; and
an adapter operative to perform operations comprising:

receiving input corresponding to a displayname of a data resource, the displayname being a name of the data resource to display to an end-user of an application instead of a resource identifier of the data resource;

preparing the resource identifier of the data resource within at least one of the repositories based on the input and naming conventions associated with the at least one of the repositories, the resource identifier to identify the data resource within the repository rather than the displayname;

preparing the displayname of the data resource based on the input; and

storing the prepared displayname,

the naming conventions associated with the repository comprise a naming convention allowing duplicate displaynames in a resource region while disallowing duplicate resource identifiers in the resource region.

16. (Original) The system of claim 15 further comprising a second adapter, wherein:

the plurality of repositories comprise at least two types of repositories;

each adapter corresponds to a type of repository; and
each adapter is configured to prepare a resource identifier based on naming conventions associated with the type of repository corresponding to that adapter.

17. (Original) The system of claim 15, wherein the operation of preparing the resource identifier comprises preparing the resource identifier such that the resource identifier resembles the displayname.

18. (Original) The system of claim 15, wherein the adapter is further operative to perform operations comprising:

presenting the displayname to a user interface such that the resource identifier is excluded from being presented to the user interface.

19. (Original) The system of claim 15, wherein

the naming conventions associated with the plurality of repositories comprise:

a first naming convention that defines at least one set of characters to be excluded from the resource identifier;

a second naming convention excluding duplicate resource identifiers in a resource region; and

a third naming convention that retains content-type extensions in the resource identifier; and

the operation of preparing the resource identifier based on the naming conventions comprises:

if a proposed resource identifier has a set of character to be excluded from the resource identifier, mapping the set of characters to one or more characters that can be included in the resource identifier;

modifying the proposed resource identifier if another data resource, in a same resource region as the data resource, has a second resource identifier that is identical to the proposed resource identifier; and

including a content-type extension in the resource identifier of the data resource regardless of the input.

20. (Previously Presented) An article comprising a tangible, machine-readable medium storing instructions operable to cause one or more machines to perform operations comprising:

receive input corresponding to a displayname of a data resource, the displayname being a name of the data resource to display to an end-user of an application instead of a resource identifier of the data resource;

prepare the resource identifier of the data resource within a repository based on the input and naming conventions associated with the repository, the resource identifier to identify the data resource within the repository rather than the displayname;

prepare the displayname of the data resource based on the input; and
store the prepared displayname.

21. (Original) The article of claim 20, wherein the operation of preparing the resource identifier comprises preparing the resource identifier such that the resource identifier resembles the displayname.

22. (Original) The article of claim 20, wherein the article further comprises instructions operative to cause the one or more machines to perform operations comprising:

present the displayname to a user interface such that the resource identifier is excluded from being presented to the user interface.

23. (Original) The article of claim 20, wherein:

the naming conventions associated with the repository comprise:

a first naming convention that defines at least one set of characters to be excluded from the resource identifier;

a second naming convention excluding duplicate resource identifiers in a resource region; and

a third naming convention that retains content-type extensions in the resource identifier; and

the operation of preparing the resource identifier based on the naming conventions comprises:

if a proposed resource identifier has a set of character to be excluded from the resource identifier, mapping the set of characters to one or more characters that can be included in the resource identifier;

modifying the proposed resource identifier if another data resource, in a same resource region as the data resource, has a second resource identifier that is identical to the proposed resource identifier; and

including a content-type extension in the resource identifier of the data resource regardless of the input.

24. (New) A method comprising:

providing a parent, a proposed name, custom properties, and a flag value for a resource to a repository framework;

determining, by the repository framework, whether the parent forbids custom properties and whether the flag is true;

if the parent forbids custom properties and the flag is true, determining whether the proposed name is a suitable resource identifier;

if the proposed name is not a suitable resource identifier, returning a message to a user that the resource cannot be generated;

if the parent does not forbid custom properties and/or the flag is true, or if the proposed name is a suitable resource identifier, determining whether the parent forbids customs properties and whether there are custom properties;

if the parent forbids customs properties and there are custom properties, returning a message to a user that the resource cannot be generated;

if the parent does not forbid customs properties and that there are custom properties, determining whether there are custom properties that should be set for the resource; and

if it is determined that there are custom properties that should be set for the resource; creating the resource with a valid resource identifier and a displayname as a property and returning a message indicating that the resource was generated; or

if it is determined that there are no custom properties that should be set for the resource; creating the resource with a valid resource identifier and returning a message indicating that the resource was generated.

25. (New) A method comprising:

providing a resource, a proposed name for the resource, a flag value to a repository framework;

determining if the proposed name differs from a current name for the resource, the current name being a displayname or a resource identifier of the resource;

if the proposed name does not differ from the current name for the resource, sending a message to a user indicating that the resource was not renamed;

if the proposed name differs from the current name for the resource, determining whether the resource can have custom properties;

if the resource can have custom properties, determining whether the resource is a collection or a link;

if the resource cannot have custom properties, determining whether the proposed name comprises a suitable resource identifier;

if the proposed name comprises a suitable resource identifier, renaming the resource based on the suitable resource identifier and sending a message to a user indicating that the resource was renamed;

if the proposed name does not comprise a suitable resource identifier, sending a message to a user indicating that the resource was not renamed;

if the resource is a collection or a link, setting the displayname as the proposed name, sending a message to a user that the resource was renamed, and renaming the resource identifier to resemble the displayname;

if the resource is not a collection or a link, determining whether the proposed names modifies an extension, if any, and whether the extension, if any, should be preserved; and

if the proposed names modifies an extension and the extension should be preserved, adding an extension to the proposed name, setting the proposed resource identifier as the resource identifier, setting the displayname as the proposed name, and sending a message to a user indicating that the resource was renamed; or

if the proposed names does not modify an extension and/or the extension should not be preserved, renaming the displayname to the proposed name, sending a message to a user indicating that the resource was renamed, and renaming the resource identifier such that it resembles the proposed name.